AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111

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Title: SYSTEM AND METHOD FOR PROCESSING MEMORY INSTRUCTIONS

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IN THE ABSTRACT OF THE DISCLOSURE

Please replace the Abstract with the following:

A novel system and method for processing memory instructions. One embodiment of the invention provides a method for processing a memory instruction. In this embodiment, the method includes obtaining a memory request; storing the memory request in an Initial Request Oueue (IRO); and processing the memory request from the IRO by a cache controller, wherein processing includes: identifying a type of the memory request, and processing the memory request in both a local cache and an Force Order Queue (FOQ), wherein processing includes determining if a portion of an address associated with the memory request matches one or more partial addresses in the FOQ and, if the memory request misses in the cache and the address does not match one or more partial addresses in the FOQ, adding the memory request to the FOQ and allocating a cache line in the local cache corresponding to the local cache miss.